

EDITED KSA LISTING

CLASS: ELECTRICIAN III, CF

NOTE: Each position within this classification may be required to possess all or some of these knowledge, skills or abilities.

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	Knowledge of:
K1.	Journey level knowledge of principles, methods, materials, tools, and equipment used in the installation, maintenance, and repair of electrical equipment (e.g., wiring, switches, lighting, transformers, high voltage, switchboard, motor control centers, etc.) in order to accomplish a work assignment, and to provide direction/information, etc.
K2.	General knowledge of the rules and regulations (e.g. National Electric Code (NEC), Electrical Safety Orders of the Division of Industrial Safety, California Code of Regulations, etc.) in order to safely complete work assignments, and to provide direction/information, etc.
K3.	General knowledge of departmental rules and regulations governing the procurement process of electrical materials, tools, and equipment in order to maintain the facility.
K4.	General knowledge of institutional policies and procedures for inmate supervision to maintain safety and security of the institution, staff, property, etc.
K5.	General math knowledge to calculate labor, material, and/or cost estimates for planned projects.

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	Skill in:
S1.	Skills to install, maintain and repair electrical equipment (e.g. wiring, switches, lighting, transformers, high voltage, switchboard, motor control centers, etc.) in order to accomplish a work assignment.
S2.	Skill to effectively communicate with individuals or groups to provide accurate information, instruction, direction, and maintain effective working relationships.
S3.	Skill to accurately read, interpret and prepare rough sketches, plans (blueprints), drawings, and specifications to obtain/provide information for electrical work.
S4.	Skill to estimate costs to determine and calculate necessary labor and materials, in order to provide information, plan and complete electrical work, and other various institutional needs.
S5.	Skill to accurately maintain records and reports in order to provide information and documentation and to comply with departmental policies.
S6.	Skill to inspect the work of a crew of electricians and/or unskilled workers (inmates) to ensure proper completion of work and compliance with codes and regulations.
S7.	Skills to plan, lay out, and coordinate electrical work with departmental trades people, custody staff, and other institutional program staff, contractors and vendors to provide direction, information, and ensure accuracy and compliance of electrical assignments.
S8.	Skill to troubleshoot electrical problems/equipment to repair and ensure the safe and proper operation of the facility and adhere to building codes.
S9.	Skill in the care and use of hand and power tools to ensure safe operation for the electrician and proper operation of the tools during the performance of daily assignments.

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	Ability to:
A1.	Mechanical inclination to perform electrical work.

	Special Personal Characteristics:
SPC1.	Must be reasonably expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations encountered on the job without compromising their health and well-being or that of their fellow employees or that of inmates.